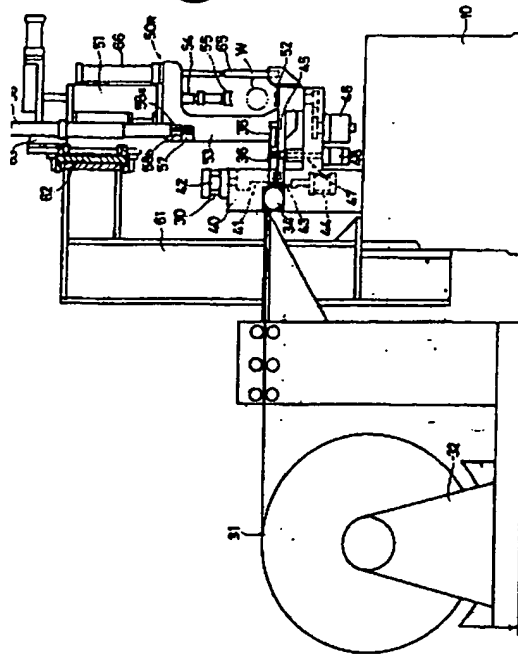


## Patent Abstracts of Japan

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APPLICANT : TOYOTA MOTOR CORP;  
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UNBALANCE



ABSTRACT : PURPOSE: To perform smoothly and certainly automatic supply to each correction surface position by controlling a delivery amount of a coil material by an imbalance amount measured to cut, supplying to a position of the correction surface, welding and by correcting dynamic imbalance.

CONSTITUTION: After a rotating body W was supported, vibration caused by imbalance is detected with a pick up, thereby allowing an imbalance amount and its angular position to be measured. Firstly, the imbalance amount is outputted and is given to a pulse motor 34, thereby allowing delivery of a coil member 31 to be controlled. The coil member 31 is related to forming of a projection part P' by a punch 43 and the delivery amount is adjusted. It is then cut with a press head 41 and becomes a balance piece P. And further it is supported on the top end of a rotary arm 45 and is positioned in opposition to the correction surface. And lastly it is inserted between the rotating body W and a lower part electrode 52. The rotating body W is subjected to rotation dividing by an unbalanced angular position signal and is positioned, and thereby allowing a welding equipment 50R to be actuated and a balance beam P to be welded on the outer circumferential surface of the rotating body W.

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